	,			
L	Hits	Seal Text	DB	Time stamp
Number				2222/24/22
-	712	input adj device and cube	USPAT;	2003/01/10
			EPO; JPO	13:17 2003/01/10
-	370	input adj device and cube and mouse	USPAT; EPO; JPO	13:18
1	0	input adj device and cube and mouse and	USPAT;	2003/01/10
_	"	orthognal adj switches	EPO; JPO	13:18
l _	0	input adj device and cube and mouse and	USPAT;	2003/01/10
	"	orthogonal adj switches	EPO; JPO	13:20
_	29		USPAT;	2003/01/10
		orthogonal and switches	EPO; JPO	13:52
_	4	computer adj input adj device and cube	USPAT;	2003/01/10
		and mouse and orthogonal and switches	EPO; JPO	13:28
-	0		USPAT;	2003/01/10
		adj mouse and orthogonal and switches	EPO; JPO	13:55
-	9	computer adj mouse and cube and	USPAT;	2003/01/10
		orthogonal and switches	EPO; JPO	13:31
-	52	computer adj mouse and shape and cube	USPAT;	2003/01/10
t	۰ ـ ا		EPO; JPO	13:49
_	5	computer adj mouse and shape adj cube	USPAT; EPO; JPO	2003/01/10 13:52
_	0	computer adj input adj device adj cube	USPAT;	2003/01/10
-	"	and orthogonal and switches	EPO; JPO	13:56
_	o	1	USPAT;	2003/01/10
		and switches	EPO; JPO	13:56
_	1	5,734,370.pn.	USPAT;	2003/01/12
]		EPO; JPO	14:21
-	1	5,729,249.pn.	USPAT;	2003/01/12
	'		EPO; JPO	14:20
-	2406	345/156,173.ccls.	USPAT;	2003/01/12
			EPO; JPO	14:21
-	0	computer adj mouse adj shape adj cube	USPAT;	2003/01/13
		245/156 173 and housing	EPO; JPO	07:26 2003/01/13
-	574	345/156,173.ccls. and housing	USPAT; EPO; JPO	07:27
l _	134	345/156,173.ccls. and housing and control	USPAT;	2003/01/13
	154	adj signals	EPO; JPO	07:27
_	22	345/156,173.ccls. and housing and control	USPAT;	2003/01/13
		adj signals and orthogonal	EPO; JPO	07:28
-	3	345/156,173.ccls. and housing and control	USPAT;	2003/01/13
		adj signals and orthogonal and actuate	EPO; JPO	07:28
-	4		USPAT;	2003/01/13
i		adj signals and orthogonal and actuate\$3	EPO; JPO	07:29
	_	and elements	IICDAM.	2002/01/12
-	3	345/156,173.ccls. and housing and control	USPAT; EPO; JPO	2003/01/13 07:29
1		adj signals and orthogonal and actuate\$3 and elements and mounted	EFO, 0PO	V1.43
_	2	345/156,173.ccls. and housing and control	USPAT;	2003/01/13
		adj signals and orthogonal and actuate\$3	EPO; JPO	07:30
		and elements and mounted and project\$2	, 510	
_	0		USPAT;	2003/01/13
		adj signals and orthogonal and actuate\$3	EPO; JPO	07:30
		and elements and mounted and project\$2		
		and outward		
-	0	, ,	USPAT;	2003/01/13
		adj signals and orthogonal and actuate\$3	EPO; JPO	07:31
		and elements and mounted and project\$2		
	-	and outward\$3	Henam.	2002/01/12
l -	1	345/156,173.ccls. and housing and control adj signals and orthogonal and actuate\$3	USPAT; EPO; JPO	2003/01/13 07:31
		and elements and mounted and project\$2	EFO, UPO	07.31
1	1	and elements and mounted and projects2		
_	3	345/156,173.ccls. and housing and control	USPAT;	2003/01/13
		adj signals and orthogonal and actuate\$3	EPO; JPO	07:50
1		and 3D	/	
-	12		USPAT;	2003/01/13
		adj signals and orthogonal and actuate\$3	EPO; JPO	07:52
	<u> </u>	and 3D	<u></u>	

Search History 1/13/03 6:05:49 PM Page 1

-	0	compar adj input adj device and housis	USPAT;	2003/01/13
•		and control adj signals and orthogonal	EPO; JPO	07:53
		and actuate\$3 and 3D		
_	13	computer adj input adj device and housing	USPAT;	2003/01/13
		and control adj signals and 3D	EPO; JPO	07:53
_	11	345/156,173.ccls. and housing and control	USPAT;	2003/01/13
		adj signals and orthogonal and actuate\$3	EPO; JPO	09:15
l _	0	345/156,173.ccls. and housing and control	USPAT;	2003/01/13
	1	adj signals and orthogonal and actuate\$3	EPO; JPO	09:16
		and x, y, z		
_	3	345/156,173.ccls. and housing and control	USPAT;	2003/01/13
		adj signals and orthogonal and actuate\$3	EPO; JPO	09:18
		and x adj y adj z		
-	1	345/156,173.ccls. and housing and	USPAT;	2003/01/13
		switches and mounted and orthogonal and	EPO; JPO	09:18
		walls and actuate\$3 and x adj y adj z	}	1

	U	1	Do	cumen t	Issue Date	Pages	tle	Current OF
1			US B1	6480187	20021112	84	Optical scanning-type touch panel	345/175
2			US B1	6448977	20020910	21	Textures and other spatial sensations for a relative haptic interface device	345/701
3			US B1	6402616	20020611	21	Entertainment system, supply medium, and manual control input device	463/37
4			US B1	6256011	20010703	20	Multi-function control device with force feedback	345/157
5			US B1	6184868	20010206	30	Haptic feedback control devices	345/161
6	0		US A	6154201	20001128	29	Control knob with multiple degrees of freedom and force feedback	345/184
7			US A	5977950	19991102	11	Manually controllable cursor in a virtual image	345/856
8			US A	5825351	19981020	10	Method and apparatus for noise filtering for an input device	345/173
9			US A	5760764	19980602	22	Computer display cursor controller with serial interface	345/160
10			US A	5528266	19960618	14	Flat touch screen workpad for a data processing system	345/173
11			US A	4794838	19890103	75	Constantly changing polyphonic pitch controller	84/600

	Current XRef	Retrieval Classif	Inventor	s	С	Р	2	3	4	5
1	345/173; 345/176	345/173	Sano, Satoshi et al.	Ø						
2	345/156; 345/157; 345/700; 345/702	345/156	Braun, Adam C. et al.	Ø						٥
3	345/156; 345/170	345/156	Ogata, Hiroki et al.	×			0			
4	345/156; 345/167	345/156	Culver, Craig F.	Ø						
5	345/156	345/156	Shahoian, Erik J. et al.	Ø						
6	345/156; 345/970; 74/485	345/156	Levin, Michael D. et al.	×						
7	345/157; 345/173; 345/7; 345/835	345/173	Rhyne, George W.	×						
8	345/157	345/173	Tam, Tommy H.	×						
9	345/156; 345/157; 345/163	345/156	Martinelli, John K.	×						
10	345/156	345/156; 345/173	Arbeitman, Gordon W. et al.	×						
11	338/69; 345/156; 362/86; 84/478; 84/DIG.30; 984/340; 984/346; 984/DIG.1	345/156	Corrigau, III, James F.	⊠						

		mage Doc. Displayed	PT
1	US	6480187	
2	US	6448977	
3	US	6402616	
4	US	6256011	
5	US	6184868	
6	US	6154201	
7	US	5977950	
8	US	5825351	
9	US	5760764	
10	US	5528266	
11	US	4794838	